

# Energy Efficient Lighting

Missouri Energy Center fact sheet

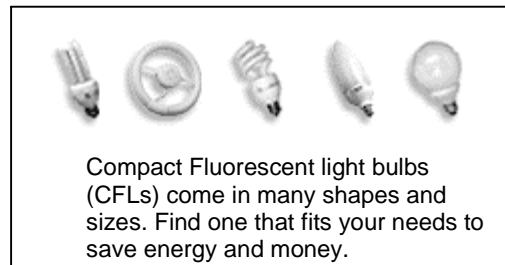
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## Five good reasons to BRIGHTEN your home with ENERGY STAR labeled lighting

### 1. A Brighter Earth

If every household in the United States made their next light an ENERGY STAR labeled compact fluorescent light (CFL), it would be like removing the pollution of 1.2 million cars for one year!

ENERGY STAR labeled lighting requires less energy to give the same amount of light, or lumens, as a standard bulb. Less energy use means fewer carbon dioxide emissions that result from burning fossil fuels to create electricity. Fewer carbon dioxide emissions mean fewer greenhouse gases to contribute to global climate change – good news for you, the air we breathe, and the environment.



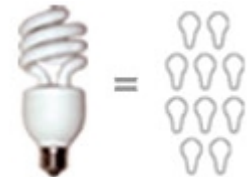
### 2. Money and Energy Savings

ENERGY STAR labeled light fixtures use 50 to 70 percent less energy than traditional fixtures. Less energy use means more money in your pocket. A typical household spends 10 to 15 percent of its energy budget on lighting. If you make your next four light replacements ENERGY STAR, you will see an annual savings of 440 kilowatt-hours (kWh) or about \$44.00. The savings add up because an ENERGY STAR qualified CFL lasts up to 5 years. You can save the most money by using CFLs in areas where you keep the lights on for the longest time periods. Use less energy, save money, and reap the many other benefits of efficient lighting.

If every US household makes their next light an ENERGY STAR, we will save more than \$800 million on our national energy bill and 8.4 billion kWh of energy. That's enough to power over 808,000 homes for one year--about the size of Boston, Denver, and San Francisco combined!

### 3. Long Life

The CFLs used in ENERGY STAR labeled fixtures last up to 10 times longer than standard incandescent light bulbs - up to five years. **You'll save on utility bills and enjoy the convenience of less frequent bulb purchases and changes.** This means they're perfect in areas that are hard to reach or used more often – such as ceiling fixtures, table lamps, and enclosed outdoor fixtures. (Based on a minimum CFL life of 6,000 hours versus a 750-hour life of an incandescent.)



### 4. High-Quality

ENERGY STAR labeled fixtures and bulbs give the same amount of light as incandescent or halogen lighting, while providing a true and natural color without the flicker, hum, or buzz. In addition, CFL technology has advanced dramatically in recent years to produce light that is warm and inviting.



## 5. Safety and Reliability

All ENERGY STAR labeled fixtures follow National Fire Protection Association (NFPA) guidelines for fire safety. CFLs are cooler to the touch. In fact, compared to incandescent lighting, ENERGY STAR labeled lighting produces up to 90 percent less heat. Each fixture model is tested and meets strict specifications for energy efficiency and quality, and carries a 2-year warranty. CFL bulbs carry a 1-year warranty.

**The following list shows the CFL wattage equivalent to incandescent bulb wattages.**

Incandescent	CFL Equivalent
40 watts	14 watts
60 watts	20 watts
75 watts	25 watts
100 watts	32 watts
150 watts	50 watts

**For more information via the Internet go to:**

[www.dnr.state.mo.us/energy](http://www.dnr.state.mo.us/energy)

[www.energystar.gov/default.shtml](http://www.energystar.gov/default.shtml)

**To calculate energy savings for compact fluorescent lighting go to:**

<http://yosemite1.epa.gov/estar/consumers.nsf/content/cflcalc1.htm>

[www.epa.gov/nrgystar/purchasing/calculators/cfl-main.html](http://www.epa.gov/nrgystar/purchasing/calculators/cfl-main.html)

**To find a store near you that sells ENERGY STAR labeled lighting, go to:**

[www.energystar.gov/stores/storelocator.asp](http://www.energystar.gov/stores/storelocator.asp)

**To calculate energy savings for other appliances go to:**

[www.epa.gov/nrgystar/purchasing/2c\\_savings\\_calc.html](http://www.epa.gov/nrgystar/purchasing/2c_savings_calc.html)

### For More Information Contact:

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[www.dnr.state.mo.us/energy](http://www.dnr.state.mo.us/energy)



Look for the ENERGY STAR label. The label was created to help consumers quickly and easily identify lighting products, appliances, home office equipment, home theater/consumer electronics, and a range of other products that save energy, money, and help to protect the environment.

